

Year 7 Directed Number Review II

Name: Answer

1. Evaluate:

a.  $5 - (-3) + (-5) = 5 + 3 - 5 = +3$

b.  $0 + (-2) - (-5) = 0 - 2 + 5 = +3$

c.  $5 - (-3)(-5) + 4 = 5 - 15 + 4 = -6$

d.  $0 - (-3)(5) - 4 + 2 = 0 + 15 - 4 + 2 = +13$

e.  $2 + (-3)(-5) - (4 + 2) = 2 + 15 - 6 = +11$

f.  $2(-3) + (-3)(-2)(2) - (-3) + 5 = -6 + 12 + 3 + 5 = +14$

g.  $4 + 2[3 - (-2)] = 4 + 2(3 + 2) = 4 + 10 = +14$

h.  $4 - 2[3 + (-2)] = 4 - 2(3 - 2) = 4 - 2 = +2$

i.  $4 - 2[(-3) + (-1) - 2] + 4 = 4 - 2(-3 - 1 - 2) + 4 = 4 - 2(-6) + 4 = 4 + 12 + 4 = +20$

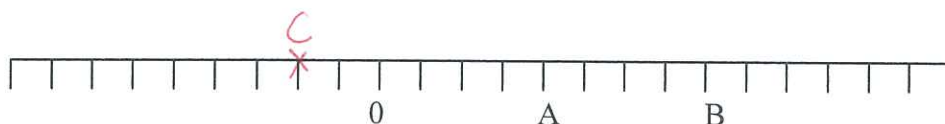
j.  $4 - 6 \div (-3) + 2 = 4 + 2 + 2 = +8$

k.  $4 - 6 \div [(-3) - 2] = 4 - 6 \div (-3 - 2) = 4 - 6 \div -5 = 4 + \frac{6}{5} = 5\frac{1}{5}$

l.  $\frac{(-2)(3) + (2)(4)(-1) - (-3)(2)}{2 - 5} = \frac{-6 - 8 + 6}{-3} = \frac{-8}{-3} = \frac{8}{3} = 2\frac{2}{3}$

m.  $\frac{4 + 2(2 - 4)}{2 - 2(-3)} = \frac{4 + 2(-2)}{2 + 6} = \frac{4 - 4}{8} = 0$

2. Using the number line below

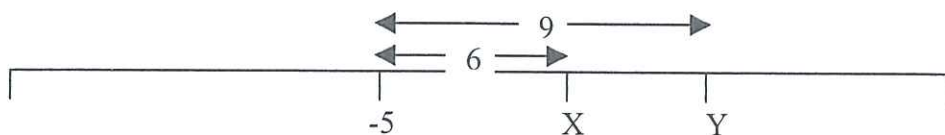


a. If C is 10 less than B, indicate C on the number line

b.  $A - B = 4 - 8 = -4$

c.  $A(C) - B = 4(-2) - 8 = -8 - 8 = -16$

3. Using the number line below



a.  $Y = -5 + 9 = +4$

b.  $X + Y = (-5 + 6) + 4 = 1 + 4 = 5$